

Council Report

To:

The Honorable Mayor and Council Members

From:

Shannon Graham, Purchasing Manager

Date:

September 2, 2015

RE:

A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF NORTH MIAMI, FLORIDA, APPROVING THE CITY ADMINISTRATION'S COMPETITIVE SELECTION OF RIC-MAN CONSTRUCTION FL, INC., AS A LOWEST-RESPONSIBLE CONTRACTOR TO FURNISH MATERIALS, MACHINERY, SUPERVISION, EQUIPMENT, TOOLS. AND **SERVICES** REQUIRED FOR EXPERTISE, INSTALLATION AND REHABILITATION OF **SANITARY** SEWER LINING AT LOCATIONS DESIGNATED BY THE CITY FURTHER AUTHORIZING THE MANAGER; AND EXECUTE MANAGER TO NEGOTIATE AND AGREEMENT FOR STATED PROJECT SERVICES, FOR AN APPROXIMATE AMOUNT OF ONE MILLION DOLLARS (\$1,000,000.00) DURING THE FIRST INITIAL TERM OF ONE YEAR, IN ACCORDANCE WITH THE TERMS, (1)CONDITIONS AND SPECIFICATIONS CONTAINED IN THE SANITARY SEWER LINING & REHABILITATION IFB NO. 25-04-15; PROVIDING FOR AN EFFECTIVE DATE AND FOR ALL OTHER PURPOSES.

RECOMMENDATION

Staff is requesting that the Mayor and Council authorize the City Manager to execute a contract for Sanitary Sewer Lining & Rehabilitation with Ric-Man Construction Florida, Inc. and Insituform Technologies, LLC <u>in order to expedite the project to meet the Grant deadline dates</u>. The award shall be split equally between the two bidders in the approximate amount of Two Million dollars (\$2,000,000); One Million for each Contractor, for the initial term of one year with the option of two one year renewals. This will provide for the project to be completed quickly and economically and provide for any additional work that may be needed in the future.

SCOPE

This project entails cured-in-place lining of sanitary sewer mains and laterals, sanitary sewer main and lateral replacement, chemical grouting, manhole repairs by lining and manhole replacements, and performing point repairs to the City of North Miami's (City's) sewer system. The installation and rehabilitation of the sanitary sewer system decreases the amount of inflow/infiltration pumped in the City's sanitary sewer system; therefore, providing better service to our community and saving on the costs associated with collecting and transmitting wastewater. The repairs to our sanitary sewer system are also required for the City to remain in compliance with the rules and regulations of the regulatory agencies.

On May 5, 2015, the City advertised Invitation For Bid ("IFB") No. 25-04-15 Sanitary Sewer Lining & Rehabilitation to obtain the labor, supervision, materials, equipment, tools, machinery, expertise, and other services necessary to engineer, procure, construct, deliver, erect, commission, test and have permitted an installation and rehabilitation of the City's sanitary sewer system, in accordance with the terms, conditions, and specifications contained in the Solicitation.

BACKGROUND

- 1. The City advertised Invitation For Bid 25-04-15 on 5/5/2015.
- 2. Subject bid opened on 6/11/2015. The City received two bids; Ric-Man Construction Florida, Inc. (Ric-Man) and Insituform Technologies, LLC (Insituform).
- 3. Both bids are deemed responsible and responsive.
- 4. Insituform and Ric-Man have provided all requisite documents:
 - a) Public Entity Crimes Affidavit
 - b) Non-Collusive Proposal Certificate
 - c) Acknowledgement of Addenda
 - d) References
 - e) State of Florida active Sunbiz report
 - f) Sample certificate of insurance is provided and approved by Risk Management.

FUNDING SOURCE

Funding for this item is through the Water and Sewer Utility Funds and will be reimbursed through two Grants; GOB funds and FDEP Agreement No. LP13180.

ATTACHMENT(S)

Bid Submittal, Bid Tabulation, Sewer Service Map, Table 7-1: Non-Compliant Basins

RESOLUTION	NO
KESOLUTION	110.

A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF NORTH MIAMI, FLORIDA, APPROVING **COMPETITIVE ADMINISTRATION'S** CITY SELECTION OF RIC-MAN CONSTRUCTION FL, INC., AS A LOWEST-RESPONSIBLE CONTRACTOR TO FURNISH MATERIALS, EQUIPMENT, TOOLS, MACHINERY, SUPERVISION, EXPERTISE, AND SERVICES REQUIRED FOR THE INSTALLATION AND REHABILITATION OF AT LOCATIONS SANITARY SEWER LINING DESIGNATED BY THE CITY MANAGER; AND FURTHER AUTHORIZING THE CITY MANAGER TO NEGOTIATE AND EXECUTE AN AGREEMENT FOR STATED PROJECT SERVICES, FOR AN APPROXIMATE AMOUNT OF ONE MILLION DOLLARS (\$1,000,000.00) DURING THE FIRST INITIAL TERM OF ONE (1) YEAR, IN ACCORDANCE WITH THE TERMS, CONDITIONS AND SPECIFICATIONS CONTAINED IN THE SANITARY SEWER LINING & REHABILITATION IFB NO. 25-04-15; PROVIDING FOR AN EFFECTIVE DATE AND FOR ALL OTHER PURPOSES.

WHEREAS, in May 5, 2015, the City of North Miami ("City") advertised *Invitation for Bid Sanitary Sewer Lining & Rehabilitation IFB No. 25-04-15* ("IFB"), seeking competitive sealed bids from qualified licensed contractors to furnish all labor, materials, equipment, tools, machinery, supervision, expertise and services required in performing sanitary sewer repairs and installation including, but not limited to, cured in-place lining and sectional lining, cured in-place lateral lining, chemical grouting, seal joints, tests, mechanical removal, root removal, pipe replacement, excavated point repairs, exploratory excavation, full pipe replacement, full lateral replacement, manhole repairs, replacement and restoration, bypass pumping, and traffic control (collectively referred hereto as "Services"); and

WHEREAS, in response to the IFB, Ric-Man Construction FL, Inc. ("Contractor") submitted its bid and was competitively selected by City administration as a responsive-responsible low bidder, with qualifications and references demonstrating to be the most advantageous to the City in the provision of Services; and

WHEREAS, the Contractor manifested the capability and willingness of providing Services to the City for approximately One Million Dollars (\$1,000,000.00) during the first initial term of one (1) year, in accordance with the terms, conditions and specifications contained in the IFB; and

WHEREAS, City administration respectfully requests that the Mayor and City Council approve the selection of Contractor and further authorize an agreement for the completion of Services; and

WHEREAS, the Mayor and City Council find the selection of Contractor to be in the best interest of the City, and that the provision of Services are designed to protect the public health, safety, and welfare.

NOW THEREFORE, BE IT DULY RESOLVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF NORTH MIAMI, FLORIDA:

Section 1. Selection Approval. The Mayor and City Council of the City of North Miami, Florida, hereby approve the City Administration's competitive selection of Ric-Man Construction FL, Inc., as a lowest-responsible contractor to furnish materials, equipment, tools, machinery, supervision, expertise, and services required for the installation and rehabilitation of sanitary sewer lining at locations designated by the City Manager.

Section 2. Authority of City Manager. The Mayor and City Council of the City of North Miami, Florida, hereby authorize the City Manager to negotiate and execute an agreement to complete the project services, for an approximate amount of One Million Dollars (\$1,000,000.00) during the first initial term of one (1) year, in accordance with the terms, conditions and specifications contained in the *Sanitary Sewer Lining & Rehabilitation IFB No. 25-04-15*.

the
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CITY CLERK

MICHAEL A. ETIENNE, ESQ.

APPROVED AS TO FORM AND LEGAL SUFFICIENCY: ROLAND C. GALDOS, ESQ. INTERIM CITY ATTORNEY SPONSORED BY: CITY ADMINISTRATION Moved by: Seconded by: Vote: Mayor Smith Joseph, D.O., Pharm. D. (Yes) (No) (No) Vice Mayor Carol Keys, Esq. (Yes) (No) Councilman Scott Galvin (Yes) (No) Councilman Philippe Bien-Aime (Yes) (Yes)_ Councilman Alix Desulme (No)



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Table 7-1 Non-Compliant Basins Projected Renabilitation Co	e 7-1 Non-Compliant Basins Projected	d Rehabilitation Co	st
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Basin	Sanitary Sewer Length (If) ³	Non- Rehabilitated Sewer Length (If) ²	Lining Cost for Unlined Sewers (\$/If) ¹	Sanitary Sewer Rehabilitation Cost
E	48,049	40,689	\$60	\$2,441,340
1	6,750	1,869	\$60	\$112,140
Bellows	4,918	2,014	\$60	\$120,840
Woods	11,168	10,694	\$60	\$641,640
Quayside	5,397	5,354	\$60	\$321,240
KP-1	1,840	1,072	\$60	\$64,320
Rodan	1,051	528	\$60	\$31,680
FIU-West ⁴	7,830	5,175	\$60	\$310,500
Noel	903	903	\$60	\$54,180
Futura	4,417	4,417	\$60	\$265,020
Arch Creek Plaza	876	876	\$60	\$52,560
Total Projected San \$1,000) ⁴	itary Sewer Rehabilit	ation Cost (Rounde	d to the nearest	\$4,105,000

Source:

- Lining cost covers cleaning, CCTV inspection (pre-rehabilitation and post), lateral connection grouting, engineering, traffic control, mobilization, contractors overhead and profit.
- Non rehabilitation sewer lines identified from length of sewer rehabilitation identified in City's Sanitary Sewer GIS.
- 3. Linear footage based off City's GIS
- City is no longer responsible for the operation and maintenance of Pump Station FIU-West and its
 collection system. Therefore, the total cost does not include the estimate for this basin.

7.3. Phase III Project Schedule

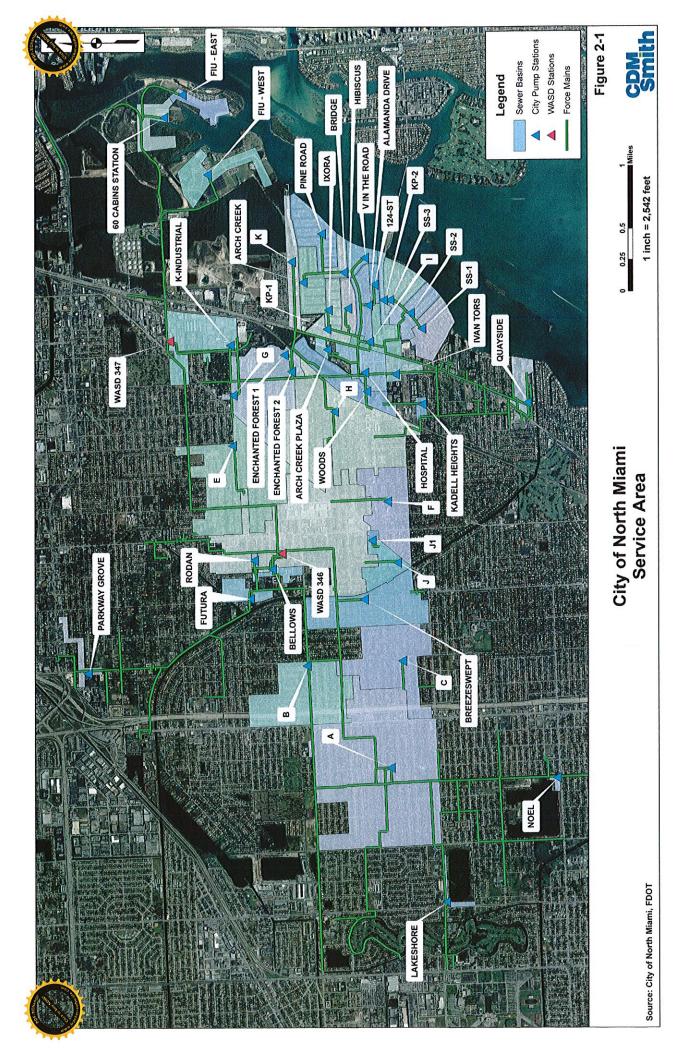
To complete the steps necessary to bid, execute and perform the rehabilitation and re-measurement work related to Phase III, CDM Smith has prepared a proposed project schedule to meet the regulatory deadline in November 2016 (**Figure 7-2**). This schedule includes time allotted for the bidding and procurement of two separate projects: CCTV (Inspection, Evaluation and Recommendation) Project and the Rehabilitation Project. Construction is expected to last approximately a year and a half. Both durations includes time for unexpected occurrences and delays.

7.4. Other Considerations

The results of this study provide an estimate of the current infiltration conditions through the City's sanitary sewer system. Listed below are additional items for consideration to improve the effectiveness of the City's SSES Program.

- The City should consider evaluating additional means to record flow in the basins where theoretical information was required or recorded data was inconsistent.
- As part of additional investigations, the City should require that all construction projects
 perform pre- and post-construction CCTV inspections of the sanitary sewers within the limits of
 the project and require repair in the event of damages.







Contract #:

IFB 25-04-15

Contract Title:

Sanitary Sewer Lining & Rehabilitation June 11, 2015

Bid Opening Date:

Pepared By: Reviewed By: Melissa Borgen Shannon Graham

Item	Qty	Unit	Description		00 SW 15 St	on Florida, Inc. field Beach, FL 2	17		e Chesterfield,
				,	Jnit Price	Total Price	Unit Price		Total Price
				E LII	NING Pipe Lining				
1	20000	LF	Install cured-in-place liner 8-inch diameter gravity mains (up to 8 feet in depth) Install cured-in-place liner 8-inch	\$	30.00	\$ 600,000.00	\$	25.70	\$ 514,000.00
2	20000	LF	diameter gravity mains (8 to 12 feet in depth)	\$	30.00	\$ 600,000.00	\$	25.70	\$ 514,000.00
3	5000	LF	Install cured-in-place liner 8-inch diameter gravity mains (12 to 16 feet in depth)	\$	30.00	\$ 150,000.00	\$	25.70	\$ 128,500.00
4	1000	LF	Install cured-in-place liner 10-inch diameter gravity mains (up to 8 feet in depth)	\$	36.00	\$ 36,000.00	\$	29.80	\$ 29,800.00
5	1000	LF	Install cured-in-place liner 10-inch diameter gravity mains (8 to 12 feet in depth)	\$	36.00	\$ 36,000.00	\$	29.90	\$ 29,900.00
6	1000	LF	Install cured-in-place liner 10-inch diameter gravity mains (12 to 16 feet in depth)	\$	36.00	\$ 36,000.00	\$	38.20	\$ 38,200.00
7	300	LF	Install cured-in-place liner 12-inch diameter gravity mains (up to 8 feet in depth)	\$	40.00	\$ 12,000.00	\$	35.50	\$ 10,650.00
8	500	LF	Install cured-in-place liner 12-inch diameter gravity mains (8 to 12 feet in depth)	\$	40.00	\$ 20,000.00	\$	42.00	\$ 21,000.00
9	500	LF	Install cured-in-place liner 12-inch diameter gravity mains (12 to 16 feet in depth)	\$	40.00	\$ 20,000.00	\$	44.90	\$ 22,450.00
10	250	LF	Install cured-in-place liner 15-inch diameter gravity mains (8 to 12 feet in depth)	\$	50.00	\$ 12,500.00	\$	51.70	\$ 12,925.00
11	250		Install cured-in-place liner 15-inch diameter gravity mains (12 to 16 feet in depth)	\$	50.00	\$ 12,500.00	\$	54.80	\$ 13,700.00
12	100	LF	Install cured-in-place liner 18-inch diameter gravity mains (8 to 12 feet in depth)	\$	68.00	\$ 6,800.00	\$	64.40	\$ 6,440.00
13	100	LF	Install cured-in-place liner 18-inch diameter gravity mains (12 to 16 feet in depth)	\$	68.00	\$ 6,800.00	\$	72.90	\$ 7,290.00
14	450		Install cured-in-place liner 21-inch diameter gravity mains (8 to 12 feet in depth)	\$	82.00	\$ 36,900.00	\$	82.90	\$ 37,305.00

Item	Qty	Unit	Description		00 SW 15 St C		on Florida, Inc. field Beach, FL				Chesterfield,
#	4.9	J.III.	20001, p.1.011	ι	Jnit Price		Total Price	ι	Jnit Price	•	Total Price
15	300	LF	Install cured-in-place liner 21-inch diameter gravity mains (12 to 16 feet in depth)	\$	82.00	\$	24,600.00	\$	88.50	\$	26,550.00
16	100	LF	Install cured-in-place liner 24-inch diameter gravity mains (8 to 12 feet in depth)	\$	90.00	\$	9,000.00	\$	99.90	\$	9,990.00
17	100	LF	Install cured-in-place liner 24-inch diameter gravity mains (12 to 16 feet in depth)	\$	90.00	\$	9,000.00	\$	105.50	\$	10,550.00
18	100	LF	Install cured-in-place liner 30-inch diameter gravity mains (8 to 12 feet in depth)	\$	130.00	\$	13,000.00	\$	134.60	\$	13,460.00
19	200	LF	Install cured-in-place liner 30-inch diameter gravity mains (12 to 16 feet in depth)	\$	130.00	\$	26,000.00	\$	141.60	\$	28,320.00
20	450	LF	Install cured-in-place liner 36-inch diameter gravity mains (8 to 12 feet in depth)	\$	165.00	\$	74,250.00	\$	186.20	\$	83,790.00
21	300	LF	Install cured-in-place liner 36-inch diameter gravity mains (12 to 16 feet in depth)	\$	165.00	\$	49,500.00	\$	202.80	\$	60,840.00
22	10	EA	Work in rear-yard easement (items 1 through 22)	\$	400.00	\$	4,000.00	\$	1,355.00	\$	13,550.00
			Cured-in-Plac	e 56	cuonai Lini	ng					
23	2	EA	Install cured-in-place sectional pipe liners, 8-inch diameter (up to 6 feet in length, all depths)	\$	1,800.00	\$	3,600.00	\$	2,792.00	\$	5,584.00
24	12	LF	Install cured-in-place sectional pipe liners, 8-inch diameter (per linear foot beyond 6 feet in length, all depths)	\$	200.00	\$	2,400.00	\$	140.00	\$	1,680.00
25	2	EA	Install cured-in-place sectional pipe liners, 10-inch diameter (up to 6 feet in length, all depths)	\$	2,100.00	\$	4,200.00	\$	2,792.00	\$	5,584.00
26	12	LF	Install cured-in-place sectional pipe liners, 10-inch diameter (per linear foot beyond 6 feet in length, all depths)	\$	240.00	\$	2,880.00	\$	140.00	\$	1,680.00
27	2	EA	Install cured-in-place sectional pipe liners, 12-inch diameter (up to 6 feet in length, all depths)	\$	2,400.00	\$	4,800.00	\$	2,792.00	\$	5,584.00
28	12	LF	Install cured-in-place sectional pipe liners, 12-inch diameter (per linear foot beyond 6 feet in length, all depths)	\$	300.00	\$	3,600.00	\$	140.00	\$	1,680.00
29	2	EA	Install cured-in-place sectional pipe liners, 15-inch diameter (up to 6 feet in length, all depths)	\$	2,700.00	\$	5,400.00	\$	3,350.00	\$	6,700.00
30	12	LF	Install cured-in-place sectional pipe liners, 15-inch diameter (per linear foot beyond 6 feet in length, all depths)	\$	330.00	\$	3,960.00	\$	218.00	\$	2,616.00
31	2	EA	Install cured-in-place sectional pipe liners, 18-inch diameter (up to 6 feet in length, all depths)	\$	3,000.00	\$	6,000.00	\$	3,910.00	\$	7,820.00

Item	Qty	Unit	Description		00 SW 15 St D		n Florida, Inc. ield Beach, FL				Chesterfield,
#	,		2000,	ı	Init Price		Total Price	ι	Jnit Price	1	otal Price
32	12	LF	Install cured-in-place sectional pipe liners, 18-inch diameter (per linear foot beyond 6 feet in length, all depths)	\$	360.00	\$	4,320.00	\$	246.00	\$	2,952.00
33	2	EA	Install cured-in-place sectional pipe liners, 21-inch diameter (up to 6 feet in length, all depths)	\$	3,300.00	\$	6,600.00	\$	4,465.00	\$	8,930.00
34	12	LF	Install cured-in-place sectional pipe liners, 21-inch diameter (per linear foot beyond 6 feet in length, all depths)	\$	425.00	\$	5,100.00	\$	274.00	\$	3,288.00
35	2	EA	Install cured-in-place sectional pipe liners, 24-inch diameter (up to 6 feet in length, all depths)	\$	3,600.00	\$	7,200.00	\$	5,025.00	\$	10,050.00
36	12	LF	Install cured-in-place sectional pipe liners, 24-inch diameter (per linear foot beyond 6 feet in length, all depths)	\$	480.00	\$	5,760.00	\$	300.00	\$	3,600.00
37	2	EA	Install cured-in-place sectional pipe liners, 30-inch diameter (up to 6 feet in length, all depths)	\$	4,800.00	\$	9,600.00	\$	5,585.00	\$	11,170.00
38	12	LF	Install cured-in-place sectional pipe liners, 30-inch diameter (per linear foot beyond 6 feet in length, all depths)	\$	540.00	\$	6,480.00	\$	330.00	\$	3,960.00
39	2	EA	Install cured-in-place sectional pipe liners, 36-inch diameter (up to 6 feet in length, all depths)	\$	6,000.00	\$	12,000.00	\$	7,260.00	\$	14,520.00
40	12	LF	Install cured-in-place sectional pipe liners, 36-inch diameter (per linear foot beyond 6 feet in length, all depths)	\$	600.00	\$	7,200.00	\$	357.00	\$	4,284.00
41	10	EA	Work in rear-yard easement (items 23 through 40)	\$	120.00	\$	1,200.00	\$	503.00	\$	5,030.00
42-46					Removed						
			Cured-in-Pla	ceL	ateral Linir	g					
47	25	EA	Install cured-in-place liner, 4-inch and 6- inch laterals (0 to 8 feet in depth, includes 25 feet of lateral and mainline/lateral connection repair system)	\$	4,300.00	\$	107,500.00	\$	4,020.00	\$	100,500.00
48	125	LF	Install cured-in-place liner, 4-inch and 6- inch laterals (0 to 8 feet in depth, per linear foot beyond 25 feet of lateral)	\$	50.00	\$	6,250.00	\$	45.00	\$	5,625.00
49	17	EA	Install cured-in-place liner, 4-inch and 6- inch laterals (8 to 12 feet in depth, includes 25 feet of lateral and mainline/lateral connection repair system)	\$	4,400.00	\$	74,800.00	\$	4,020.00	\$	68,340.00
50	85	LF	Install cured-in-place liner, 4-inch and 6- inch laterals (8 to 12 feet in depth, per linear foot beyond 25 feet of lateral)	\$	50.00	\$	4,250.00	\$	45.00	\$	3,825.00

Item	Qty	Unit	Description		00 SW 15 St D	n Florida, Inc. ield Beach, FL				Chesterfield,
#	۵.,	•	1.00	L	Init Price	Total Price	ι	Jnit Price	T	otal Price
51	5	EA	Install cured-in-place liner, 4-inch and 6- inch laterals (12 to 16 feet in depth, includes 25 feet of lateral and mainline/lateral connection repair system)	\$	4,300.00	\$ 21,500.00	\$	4,020.00	\$	20,100.00
52	25	LF	Install cured-in-place liner, 4-inch and 6- inch laterals (12 to 16 feet in depth, per linear foot beyond 25 feet of lateral)	\$	50.00	\$ 1,250.00	\$	45.00	\$	1,125.00
53	5	EA	One piece main and lateral cured-in- place liner extending into the lateral 3 feet, in 8-inch and 10-inch mains with 4- inch to 6-inch laterals (0 to 8 feet in depth)	\$	4,800.00	\$ 24,000.00	\$	2,095.00	\$	10,475.00
54	5	EA	One piece main and lateral cured-in- place liner extending into the lateral 3 feet, in 8-inch and 10-inch mains with 4- inch to 6-inch laterals (greater than 8 feet in depth)	\$	4,800.00	\$ 24,000.00	\$	3,240.00	\$	16,200.00
55	5	EA	One piece main and lateral cured-in- place liner extending into the lateral 3 feet, in 12-inch and 15-inch mains with 4- inch to 6-inch laterals (0 to 8 feet in depth)	\$	5,400.00	\$ 27,000.00	\$	2,625.00	\$	13,125.00
56	5	EA	One piece main and lateral cured-in- place liner extending into the lateral 3 feet, in 12-inch and 15-inch mains with 4- inch to 6-inch laterals (greater than 8 feet in depth)	\$	5,400.00	\$ 27,000.00	\$	3,575.00	\$	17,875.00
57	5	EA	One piece main and lateral cured-in- place liner extending into the lateral 3 feet, in 18-inch to 24-inch mains with 4- inch to 6-inch laterals (0 to 8 feet in depth)	\$	6,000.00	\$ 30,000.00	\$	3,295.00	\$	16,475.00
58	5	EA	One piece main and lateral cured-in- place liner extending into the lateral 3 feet, in 18-inch to 24-inch mains with 4- inch to 6-inch laterals (greater than 8 feet in depth)	\$	6,000.00	\$ 30,000.00	\$	3,910.00	\$	19,550.00
59	25	LF	One piece main and lateral cured-in- place liner extending beyond 3 feet into the lateral, in mains with 4-inch to 6-inch laterals (all depths)	\$	120.00	\$ 3,000.00	\$	61.00	\$	1,525.00
60	1	ΕA	Transitional liner 6-inch to 4-inch	\$	350.00	\$ 350.00	\$	390.00	\$	390.00
61	10	EA	Work in rear-yard easement (items 47 through 60)	\$	1,200.00	\$ 12,000.00	\$	1,117.00	\$	11,170.00
62	30	EA	Reinstate laterals and grout annular space	\$	540.00	\$ 16,200.00	\$	400.00	\$	12,000.00
					ROUTING					constants
63	50	EA	Test joints, 8-inch gravity pipe	\$	42.00	\$ 2,100.00	\$	40.60	\$	2,030.00
64	50	EA	Test joints, 0-inch gravity pipe	\$	42.00	\$ 2,100.00	\$	40.60	\$	2,030.00
65	50	ΕA	Test joints, 12-inch gravity pipe	\$	50.00	\$ 2,500.00		48.50	\$	2,425.00
66	50	ΕA	Test joints, 15-inch gravity pipe	\$	50.00	\$ 2,500.00		48.50	\$	2,425.00
67	50	EA	Test joints, 18-inch gravity pipe	\$	60.00	\$ 3,000.00	\$	54.20	\$	2,710.00

Item	Qty	Unit	Description		00 SW 15 St D		on Florida, Inc. field Beach, FL 2	4	Instituform To 988 Edison Av MO		Chesterfield,
#	,		2000	1	Jnit Price		Total Price	ı	Jnit Price	1	otal Price
96	150	LF	Mechanical tuberculation removal (21-inch)	\$	22.00	\$	3,300.00	\$	19.00	\$	2,850.00
97	60	LF	Mechanical tuberculation removal (24- inch)	\$	22.00	\$	1,320.00	\$	19.00	\$	1,140.00
98	60	LF	Mechanical tuberculation removal (30-inch)	\$	27.00	\$	1,620.00	\$	31.30	\$	1,878.00
99	150	LF	Mechanical tuberculation removal (36- inch)	\$	30.00	\$	4,500.00	\$	31.30	\$	4,695.00
			Root	CHAPTER STATE	moval						
100	300	LF	Root removal (8-inch)	\$	3.00	\$	900.00	\$	3.40	\$	1,020.00
101	100	LF .	Root removal (10-inch)	\$	3.00	\$	300.00	\$	3.40	\$	340.00
102	100	LF	Root removal (12-inch)	\$	4.00	\$	400.00	\$	4.50	\$	450.00
103	100	LF	Root removal (15-inch)	\$	4.00	\$	400.00	\$	4.50	\$	450.00
104	100	LF	Root removal (18-inch)	\$	4.00	\$	400.00	\$	5.60	\$	560.00
105	200	LF	Root removal (21-inch)	\$	4.00	\$	800.00	\$	5.60	\$	1,120.00
106	100	LF	Root removal (24-inch)	\$	4.00	\$	400.00	\$	7.80	\$	780.00
107	100	LF	Root removal (30-inch)	\$	5.00	\$	500.00	\$	11.20	\$	1,120.00
108	200	LF	Root removal (36-inch)	\$	5.00	\$	1,000.00	\$	13.40	\$	2,680.00
109	2,500	GAL	Chemical grout for sealing sewer joints	\$	22.00	\$	55,000.00	\$	12.80	\$	32,000.00
110	5	EA	Seal lateral joints with chemical grout, 4- inch and 6-inch laterals (up to 20 feet)	\$	425.00	\$	2,125.00	\$	390.00	\$	1,950.00
111	25	LF	Seal lateral joints with chemical grout, 4-inch and 6-inch laterals (beyond 20 feet)	\$	550.00	\$	13,750.00	\$	28.00	\$	700.00
					CEMENT						motern of Programme
			Excavated	1 20	int Repairs						
112	15	LF	Point repair, laterals and 8-inch gravity pipe (all depths, up to 15 feet)	\$	8,100.00	\$	121,500.00	\$	1,565.00	\$	23,475.00
113	16	LF	Point repair, laterals and 8-inch gravity pipe (all depths)	\$	280.00	\$	4,480.00	\$	245.00	\$	3,920.00
114	15	LF	Point repair, laterals and 10-inch gravity pipe (all depths, up to 15 feet)	\$	400.00	\$	6.000.00	\$	1,585.00	\$	23,775.00
114	15 16	LF	Point repair, laterals and 10-inch gravity pipe (all depths)	\$	300.00	\$	4,800.00	\$	257.00	\$	4,112.00
			pipe (all deptits)	۲		H		Ė		H	
116	15	LF	Point repair, laterals and 12-inch gravity pipe (all depths, up to 15 feet)	\$	600.00	\$	9,000.00	\$	1,600.00	\$	24,000.00
117	16	LF	Point repair, laterals and 12-inch gravity pipe (all depths)	\$	330.00	\$	5,280.00	\$	290.00	\$	4,640.00
118	15	LF	Point repair, laterals and 15-inch gravity pipe (all depths, up to 15 feet)	\$	9,000.00	\$	135,000.00	\$	1,640.00	\$	24,600.00
119	16	LF	Point repair, laterals and 15-inch gravity pipe (all depths)	\$	360.00	\$	5,760.00	\$	315.00	\$	5,040.00
120	15	LF	Point repair, laterals and 18-inch gravity pipe (all depths, up to 15 feet)	\$	13,000.00	\$	195,000.00	\$	2,605.00	\$	39,075.00
121	16	LF	Point repair, laterals and 18-inch gravity pipe (all depths)	\$	425.00	\$	6,800.00	\$	405.00	\$	6,480.00

Item	Qty	Unit	Description	1000	100 SW 15 St D		on Florida, Inc. field Beach, FL		Instituform To 988 Edison Av MO		Chesterfield,
#	4.,		, , , , , , , , , , , , , , , , , , ,	Unit Price			Total Price	Unit Price		1	Total Price
122	15	LF	Point repair, laterals and 21-inch gravity pipe (all depths, up to 15 feet)	\$	14,000.00	\$	210,000.00	\$	3,165.00	\$	47,475.00
123	16	LF	Point repair, laterals and 21-inch gravity pipe (all depths)	\$	435.00	\$	6,960.00	\$	547.00	\$	8,752.00
124	15	LF	Point repair, laterals and 24-inch gravity pipe (all depths, up to 15 feet)	\$	15,000.00	\$	225,000.00	\$	3,425.00	\$	51,375.00
125	16	LF	Point repair, laterals and 24-inch gravity pipe (all depths)	\$	475.00	\$	7,600.00	\$	390.00	\$	6,240.00
126	15	LF	Point repair, laterals and 30-inch gravity pipe (all depths, up to 15 feet)	\$	18,000.00	\$	270,000.00	\$	4,095.00	\$	61,425.00
127	16	LF	Point repair, laterals and 30-inch gravity pipe (all depths)	\$	550.00	\$	8,800.00	\$	503.00	\$	8,048.00
128	15	LF	Point repair, laterals and 36-inch gravity pipe (all depths, up to 15 feet)	\$	20,000.00	\$	300,000.00	\$	5,025.00	\$	75,375.00
129	16	LF	Point repair, laterals and 36-inch gravity pipe (all depths)	\$	600.00	\$	9,600.00	\$	603.00	\$	9,648.00
130	2	EA	Work in rear-yard easement (items 112 through 129)	\$	900.00	\$	1,800.00	\$	1,050.00	\$	2,100.00
131	2	EA	Install polyethylene fused-on saddle (open trench)	\$	3,000.00	\$	6,000.00	\$	1,310.00	\$	2,620.00
				ry	Excavation						
132	1	EA	Exploratory excavation in grass area (up to 5 feet in depth)	\$	1,800.00	\$	1,800.00	\$	704.00	\$	704.00
133	1	EA	Exploratory excavation in asphalt or concrete area (up to 5 feet in depth)	\$	2,400.00	\$	2,400.00	\$	1,455.00	\$	1,455.00
134	5	VF	Exploratory excavation (beyond 5 feet in depth)	\$	150.00	\$	750.00	\$	280.00	\$	1,400.00
135	1	EA	Work in rear-yard easement (items 132 to 134)	\$	900.00	\$	900.00	\$	280.00	\$	280.00
			Full Pipe Replace 8-inch gravity pipe (up to 6 feet	property.	placement	Г					
136	300	LF	in depth)	\$	52.00	\$	15,600.00	\$	179.00	\$	53,700.00
137	300	LF	Replace 8-inch gravity pipe (6 to 8 feet in depth)	\$	63.00	\$	18,900.00	\$	235.00	\$	70,500.00
138	300	LF	Replace 8-inch gravity pipe (8 to 10 feet in depth)	\$	67.00	\$	20,100.00	\$	257.00	\$	77,100.00
139	300	LF	Replace 8-inch gravity pipe (10 to 12 feet in depth)	\$	70.00	\$	21,000.00	\$	280.00	\$	84,000.00
140	300	LF	Replace 8-inch gravity pipe (12 to 14 feet in depth)	\$	100.00	\$	30,000.00	\$	302.00	\$	90,600.00
141	300	LF	Replace 8-inch gravity pipe (14 to 16 feet in depth)	\$	135.00	\$	40,500.00	\$	346.00	\$	103,800.00
142	300	LF	Replace 10-inch gravity pipe (up to 6 feet in depth)	\$	61.00	\$	18,300.00	\$	32.40	\$	9,720.00
143	300	LF	Replace 10-inch gravity pipe (6 to 8 feet in depth)	\$	65.00	\$	19,500.00	\$	43.60	\$	13,080.00
144	300	LF	Replace 10-inch gravity pipe (8 to 10 feet in depth)	\$	75.00	\$	22,500.00	\$	123.00	\$	36,900.00
145	300	LF	Replace 10-inch gravity pipe (10 to 12 feet in depth)	\$	86.00	\$	25,800.00	\$	179.00	\$	53,700.00

Item	Qty	Unit	Description		0 SW 15 St D	on Florida, Inc. ield Beach, FL				Chesterfield,
#	,			U	nit Price	Total Price	U	Init Price	1	otal Price
146	300	LF	Replace 10-inch gravity pipe (12 to 14 feet in depth)	\$	105.00	\$ 31,500.00	\$	280.00	\$	84,000.00
147	300	LF	Replace 10-inch gravity pipe (14 to 16 feet in depth)	\$	125.00	\$ 37,500.00	\$	346.00	\$	103,800.00
148	300	LF	Replace 12-inch gravity pipe (up to 6 feet in depth)	\$	75.00	\$ 22,500.00	\$	35.00	\$	10,500.00
149	300	LF	Replace 12-inch gravity pipe (6 to 8 feet in depth)	\$	85.00	\$ 25,500.00	\$	46.00	\$	13,800.00
150	300	LF	Replace 12-inch gravity pipe (8 to 10 feet in depth)	\$	95.00	\$ 28,500.00	\$	134.00	\$	40,200.00
151	300	LF	Replace 12-inch gravity pipe (10 to 12 feet in depth)	\$	115.00	\$ 34,500.00	\$	190.00	\$	57,000.00
152	300	LF	Replace 12-inch gravity pipe (12 to 14 feet in depth)	\$	125.00	\$ 37,500.00	\$	290.00	\$	87,000.00
153	300	LF	Replace 12-inch gravity pipe (14 to 16 feet in depth)	\$	200.00	\$ 60,000.00	\$	357.00	\$	107,100.00
154	300	LF	Replace 15-inch gravity pipe (up to 6 feet in depth)	\$	90.00	\$ 27,000.00	\$	47.00	\$	14,100.00
155	300	LF	Replace 15-inch gravity pipe (6 to 8 feet in depth)	\$	93.00	\$ 27,900.00	\$	58.00	\$	17,400.00
156	300	LF	Replace 15-inch gravity pipe (8 to 10 feet in depth)	\$	100.00	\$ 30,000.00	\$	145.00	\$	43,500.00
157	300	LF	Replace 15-inch gravity pipe (10 to 12 feet in depth)	\$	110.00	\$ 33,000.00	\$	201.00	\$	60,300.00
158	300	LF	Replace 15-inch gravity pipe (12 to 14 feet in depth)	\$	125.00	\$ 37,500.00	\$	324.00	\$	97,200.00
159	300	LF	Replace 15-inch gravity pipe (14 to 16 feet in depth)	\$	205.00	\$ 61,500.00	\$	402.00	\$	120,600.00
160	300	LF	Replace 18-inch gravity pipe (up to 6 feet in depth)	\$	130.00	\$ 39,000.00	\$	88.00	\$	26,400.00
161	300	LF	Replace 18-inch gravity pipe (6 to 8 feet in depth)	\$	140.00	\$ 42,000.00	\$	99.50	\$	29,850.00
162	300	LF	Replace 18-inch gravity pipe (8 to 10 feet in depth)	\$	145.00	\$ 43,500.00	\$	201.00	\$	60,300.00
163	300	LF	Replace 18-inch gravity pipe (10 to 12 feet in depth)	\$	155.00	\$ 46,500.00	\$	290.00	\$	87,000.00
164	300	LF	Replace 18-inch gravity pipe (12 to 14 feet in depth)	\$	170.00	\$ 51,000.00	\$	402.00	\$	120,600.00
165	300	LF	Replace 18-inch gravity pipe (14 to 16 feet in depth)	\$	242.00	\$ 72,600.00	\$	514.00	\$	154,200.00
166	300	LF	Replace 21-inch gravity pipe (up to 6 feet in depth)	\$	150.00	\$ 45,000.00	\$	97.00	\$	29,100.00
167	300	LF	Replace 21-inch gravity pipe (6 to 8 feet in depth)	\$	155.00	\$ 46,500.00	\$	110.00	\$	33,000.00
168	300	LF	Replace 21-inch gravity pipe (8 to 10 feet in depth)	\$	160.00	\$ 48,000.00	\$	212.00	\$	63,600.00
169	300	LF	Replace 21-inch gravity pipe (10 to 12 feet in depth)	\$	175.00	\$ 52,500.00	\$	301.00	\$	90,300.00
170	300	LF	Replace 21-inch gravity pipe (12 to 14 feet in depth)	\$	200.00	\$ 60,000.00	\$	413.00	\$	123,900.00
171	300	LF	Replace 21-inch gravity pipe (14 to 16 feet in depth)	\$	262.00	\$ 78,600.00	\$	525.00	\$	157,500.00
172	300	LF	Replace 24-inch gravity pipe (up to 6 feet in depth)	\$	175.00	\$ 52,500.00	\$	112.00	\$	33,600.00

Item	Qty	Unit	Description	Ric-Man Construction Florida, Inc. 3100 SW 15 St Deerfield Beach, FL 33442				Instituform Technologies, Inc. 17988 Edison Avenue Chesterfield, MO 63005			
#				U	nit Price		Total Price	ι	Jnit Price		Total Price
173	300	LF	Replace 24-inch gravity pipe (6 to 8 feet in depth)	\$	185.00	\$	55,500.00	\$	123.00	\$	36,900.00
174	300	LF	Replace 24-inch gravity pipe (8 to 10 feet in depth)	\$	210.00	\$	63,000.00	\$	223.00	\$	66,900.00
175	300	LF	Replace 24-inch gravity pipe (10 to 12 feet in depth)	\$	225.00	\$	67,500.00	\$	313.00	\$	93,900.00
176	300	LF	Replace 24-inch gravity pipe (12 to 14 feet in depth)	\$	250.00	\$	75,000.00	\$	491.00	\$	147,300.00
177	300	LF	Replace 24-inch gravity pipe (14 to 16 feet in depth)	\$	320.00	\$	96,000.00	\$	648.00	\$	194,400.00
178	300	LF	Replace 30-inch gravity pipe (up to 6 feet in depth)	\$	315.00	\$	94,500.00	\$	201.00	\$	60,300.00
179	300	LF	Replace 30-inch gravity pipe (6 to 8 feet in depth)	\$	320.00	\$	96,000.00	\$	224.00	\$	67,200.00
180	300	LF	Replace 30-inch gravity pipe (8 to 10 feet in depth)	\$	335.00	\$	100,500.00	\$	268.00	\$	80,400.00
181	300	LF	Replace 30-inch gravity pipe (10 to 12 feet in depth)	\$	350.00	\$	105,000.00	\$	402.00	\$	120,600.00
182	300	LF	Replace 30-inch gravity pipe (12 to 14 feet in depth)	\$	380.00	\$	114,000.00	\$	625.00	\$	187,500.00
183	300	LF	Replace 30-inch gravity pipe (14 to 16 feet in depth)	\$	460.00	\$	138,000.00	\$	849.00	\$	254,700.00
184	300	LF	Replace 36-inch gravity pipe (up to 6 feet in depth)	\$	335.00	\$	100,500.00	\$	201.00	\$	60,300.00
185	300	LF	Replace 36-inch gravity pipe (6 to 8 feet in depth)	\$	340.00	\$	102,000.00	\$	223.00	\$	66,900.00
186	300	LF	Replace 36-inch gravity pipe (8 to 10 feet in depth)	\$	345.00	\$	103,500.00	\$	268.00	\$	80,400.00
187	300	LF	Replace 36-inch gravity pipe (10 to 12 feet in depth)	\$	355.00	\$	106,500.00	\$	402.00	\$	120,600.00
188	300	LF	Replace 36-inch gravity pipe (12 to 14 feet in depth)	\$	400.00	\$	120,000.00	\$	849.00	\$	254,700.00
189	300	LF	Replace 36-inch gravity pipe (14 to 16 feet in depth)	\$	450.00	\$	135,000.00	\$	1,017.00	\$	305,100.00
190	5	EA	Work in rear-yard easement (items 136 through 189)	\$	900.00	\$	4,500.00	\$	2,275.00	\$	11,375.00
			Full Latera	I Re	placement						
191	30	LF	Replace 4-inch and 6-inch sewer service lateral (up to 5 feet in depth)	\$	150.00	\$	4,500.00	\$	335.00	\$	10,050.00
192	30	LF	Replace 4-inch and 6-inch sewer service lateral (5 to 8 feet in depth)	\$	210.00	\$	6,300.00	\$	447.00	\$	13,410.00
		LF	Replace 4-inch and 6-inch sewer service lateral (8 to 12 feet in depth)	\$	390.00	\$	11,700.00	\$	670.00	\$	20,100.00
193	30		Work in rear-yard easement (items 191	\$	600.00	\$	3,000.00	\$	2,235.00	\$	11,175.00
194	5	EA	through 193) MANHOLE REPAI					Ľ	2,233.00	۳	11,170.00
					epairs						
195	5	EA	Realign, grout and seal manhole casting (in street)	\$	120.00	\$	600.00	\$	1,312.00	\$	6,560.00
196	5	EA	Realign, grout and seal manhole casting (in rear-yard easement)	\$	1,400.00	\$	7,000.00	\$	642.00	\$	3,210.00
197	5	ΕA	Install manhole chimney seal	\$	1,000.00	\$	5,000.00	\$	1,060.00	\$	5,300.00

Item	Qty	Unit	Description	Ric-Man Construction Florida, Inc. 3100 SW 15 St Deerfield Beach, FL 33442				Instituform Technologies, Inc. 17988 Edison Avenue Chesterfield, MO 63005			
#	.,			ı	Unit Price		Total Price	1	Unit Price	Т	otal Price
198	6	EA	Seal visible infiltration through manhole walls, bench, and invert (brick manhole)	\$	850.00	\$	5,100.00	\$	223.00	\$	1,338.00
199	6	EA	Seal visible infiltration through manhole walls, bench, and invert (concrete manhole)	\$	850.00	\$	5,100.00	\$	268.00	\$	1,608.00
200	5	EA	Repair manhole bench and invert	\$	425.00	\$	2,125.00	\$	268.00	\$	1,340.00
201	5	EA	Replace manhole bench and invert	\$	660.00	\$	3,300.00	\$	279.00	\$	1,395.00
202	5	EA	Replace standard manhole frame and cover and install seal	\$	900.00	\$	4,500.00	\$	894.00	\$	4,470.00
203	5	EA	Replace watertight manhole frame and cover and install seal	\$	850.00	\$	4,250.00	\$	1,285.00	\$	6,425.00
204	10	VF	Install cementious manhole liner for precast manhole (in street)	\$	220.00	\$	2,200.00	\$	140.00	\$	1,400.00
205	10	VF	Install cementious manhole liner for brick manhole (in street)	\$	250.00	\$	2,500.00	\$	168.00	\$	1,680.00
206	10	VF	Install cementious manhole liner with epoxy overlay for precast manhole (in street)	\$	400.00	\$	4,000.00	\$	201.00	\$	2,010.00
207	10	VF	Install cementious manhole liner with epoxy overlay for brick manhole (in street)	\$	500.00	\$	5,000.00	\$	223.00	\$	2,230.00
208	3	EA	Work in rear-yard easement (items 195 through 207)	\$	250.00	\$	750.00	\$	559.00	\$	1,677.00
			Manhole	Rep	olacement						
209	2	EA	Install new standard precast concrete 48- inch diameter sewer manhole (up to 4 feet in depth)	\$	6,200.00	\$	12,400.00	\$	8,935.00	\$	17,870.00
210	2	EA	Install new standard precast concrete 48- inch diameter sewer manhole (4 to 6 feet in depth)	\$	7,000.00	\$	14,000.00	\$	9,159.00	\$	18,318.00
211	2	EA	Install new standard precast concrete 48- inch diameter sewer manhole (6 to 8 feet in depth)	\$	8,500.00	\$	17,000.00	\$	11,060.00	\$	22,120.00
212	2	EA	Install new standard precast concrete 48- inch diameter sewer manhole (8 to 10 feet in depth)	\$	9,700.00	\$	19,400.00	\$	13,400.00	\$	26,800.00
213	2	EA	Install new standard precast concrete 48- inch diameter sewer manhole (10 to 12 feet in depth)	\$	12,500.00	\$	25,000.00	\$	18,988.00	\$	37,976.00
214	2	EA	Install new standard precast concrete 48- inch diameter sewer manhole (12 to 14 feet in depth)	\$	14,000.00	\$	28,000.00	\$	26,805.00	\$	53,610.00
215	2	EA	Install new standard precast concrete 48- inch diameter sewer manhole (14 to 16 feet in depth)	\$	18,000.00	\$	36,000.00	\$	32,390.00	\$	64,780.00
216	2	EA	Install new drop connection precast concrete 48-inch diameter sewer manhole (up to 4 feet in depth)	\$	650.00	\$	1,300.00	\$	9,270.00	\$	18,540.00
217	2	EA	Install new drop connection precast concrete 48-inch diameter sewer manhole (4 to 6 feet in depth)	\$	950.00	\$	1,900.00	\$	9,605.00	\$	19,210.00
218	2	EA	Install new drop connection precast concrete 48-inch diameter sewer manhole (6 to 8 feet in depth)	\$	1,200.00	\$	2,400.00	\$	12,286.00	\$	24,572.00

Item #	Qtv	Unit	Description		Ric-Man Construction Florida, Inc. 3100 SW 15 St Deerfield Beach, FL 33442				Instituform Technologies, Inc. 17988 Edison Avenue Chesterfield, MO 63005				
				ı	Unit Price		Total Price		Unit Price		Total Price		
219	2	EA	Install new drop connection precast concrete 48-inch diameter sewer manhole (8 to 10 feet in depth)	\$	1,400.00	\$	2,800.00	\$	13,403.00	\$	26,806.00		
220	2	EA	Install new drop connection precast concrete 48-inch diameter sewer manhole (10 to 12 feet in depth)	\$	1,600.00	\$	3,200.00	\$	20,105.00	\$	40,210.00		
221	2	EA	Install new drop connection precast concrete 48-inch diameter sewer manhole (12 to 14 feet in depth)	\$	2,000.00	\$	4,000.00	\$	27,925.00	\$	55,850.00		
222	2	EA	Install new drop connection precast concrete 48-inch diameter sewer manhole (14 to 16 feet in depth)	\$	2,600.00	\$	5,200.00	\$	33,505.00	\$	67,010.00		
223	3	EA	Work in rear-yard easement (items 209 through 222)	\$	420.00	\$	1,260.00	\$	2,234.00	\$	6,702.00		
				and the second	OMMON		an in the state of the state of						
224	500	SY	Asphalt roadway replacement	1\$	31.00	\$	15,500.00	\$	391.00	\$	195,500.00		
225	500	SY	Pavement overlay	\$	20.00	\$	10,000.00	\$	51.50	\$	25,750.00		
226	500	SY	Concrete sidewalk replacement	\$	36.00	\$	18,000.00	\$	201.00	\$	100,500.00		
227	200	LF	Concrete curb and gutter replacement	\$	40.00	\$	8,000.00	\$	97.20	\$	19,440.00		
228	500	SY	Asphalt driveway replacement	\$	45.00	\$	22,500.00		134.00	\$	67,000.00		
229	500	SY	Concrete driveway replacement	\$	38.00	\$	19,000.00	\$	134.00	\$	67,000.00		
230	1,000	SF	Sod replacement	\$	3.00	\$	3,000.00	\$	6.50	\$	6,500.00		
004				CANCEL PROPERTY.	umping 425.00		2,550.00	T \$	406.50	18	2,439.00		
231 232	6	DAY	Bypass pumping (8-inch sewer)	\$	425.00	\$	425.00	\$	406.50	\$	406.50		
232	+	DAY	Bypass pumping (10-inch sewer)	\$	425.00	\$	425.00	\$	406.50	\$	406.50		
234	+	DAY	Bypass pumping (12-inch sewer)	\$	500.00	\$	500.00	\$	4,840.00	\$	4,840.0		
235	H	DAY	Bypass pumping (15-inch sewer)	\$	650.00	\$	650.00	\$	6,225.00	\$	6,225.0		
236	4	DAY	Bypass pumping (18-inch sewer)	\$	3,000.00	\$	12,000.00	\$	8,805.00	\$	35,220.0		
237	1	DAY	Bypass pumping (21-inch sewer)	\$	4,000.00	\$	4,000.00	\$	11,515.00	\$	11,515.0		
238	1	DAY	Bypass pumping (24-inch sewer)	\$	6,000.00	\$	6,000.00	\$	14,500.00	\$	14,500.0		
239	2	DAY	Bypass pumping (30-inch sewer) Bypass pumping (36-inch sewer)	\$	7,500.00	\$	15,000.00	\$	17,775.00	\$	35,550.0		
					ontrol								
240	96	HOUR	Traffic control - flagman, each	1\$	50.00	\$	4,800.00	\$	25.00	\$	2,400.0		
241	12	ΕA	Traffic control - arrow board, each	\$	200.00	\$	2,400.00	\$	100.00	\$	1,200.0		
242	12	EA	Traffic control - barricade, each	\$	12.00	\$	144.00	\$	20.00	\$	240.00		
243	1	LS	24-hour mobilization	\$	2,000.00	\$	2,000.00	\$	1,200.00	\$	1,200.0		
	G	rand To	tal Bid Amount (Items 1-243)	\$	331,732.00	\$	7,595,684.00	\$	456,843.90	\$	8,475,237.0		

^{*}Total Price for Item 216 was corrected for Instituform Technologies as it was calulcated incorrectly on submitted proposal.

^{**}Total Prices for items 112-129 have been updated to reflect quantities from updated price proposal as per Addendum 1 of this IFB.